



by Björn Kimminich / @bkimminich

https://owasp-juice.shop

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OMASP JUICE SHOP

OWASP Juice Shop is probably the most modern and sophisticated insecure web application! It can be used in security trainings, awareness demos, CTFs and as a guinea pig for security tools! Juice Shop encompasses vulnerabilities from the entire OWASP Top Ten along with many other security flaws found in real-world applications!

Customer Testimonials



The most trustworthy online shop out there.



The best juice shop on the whole internet!



VANDERAL

Actually the most bug-free vulnerable application in existence!





@owasp juiceshop





The Node package *juice-shop-ctf-cli* helps you to prepare Capture the Flag events with the OWASP Juice Shop challenges for different popular CTF frameworks. This interactive utility allows you to populate a CTF game server in a matter of minutes.

http://ctf.owasp-juice.shop





http://ebook! owasp-juice.shop



- Free and Open source: Licensed under the MIT license with no hidden costs or caveats
- Easy-to-install: Choose between node.js, Docker and Vagrant to run on Windows/Mac/Linux
- Self-contained: Additional dependencies are pre-packaged or will be resolved and downloaded automatically
- Self-healing: The simple SQLite and MarsDB databases are wiped and repopulated from scratch on every server startup
- Gamification: The application notifies you on solved challenges and keeps track of successfully exploited vulnerabilities on a Score Board

- Re-branding: Fully customizable in business context and look & feel to your own corporate or customer requirements
- CTF-support: Challenge notifications optionally contain a flag code for your own Capture-The-Flag events



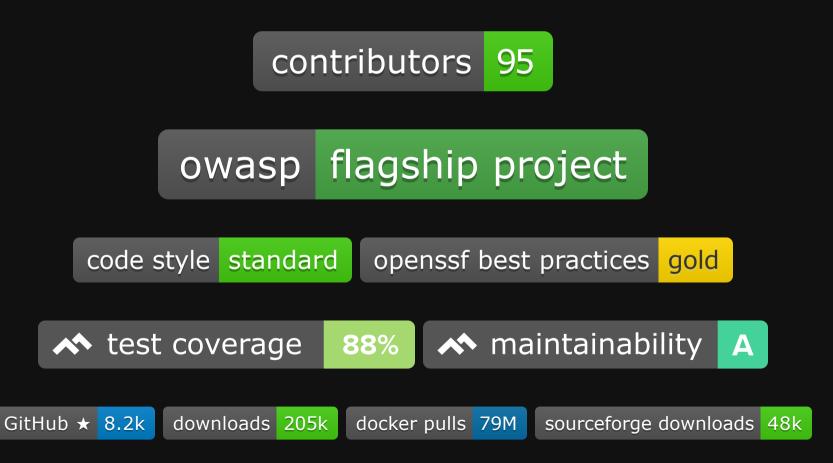
http://owasp-juice.shop | > @owasp_juiceshop





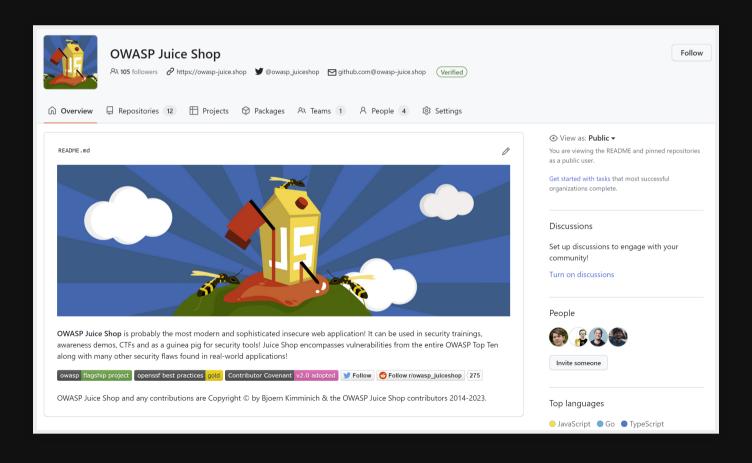
Juice Shop Success PyramidTM

Some amazing facts & stats about the project



Official juice-shop GitHub Org

All repos belonging to the project in one place at https://github.com/juice-shop



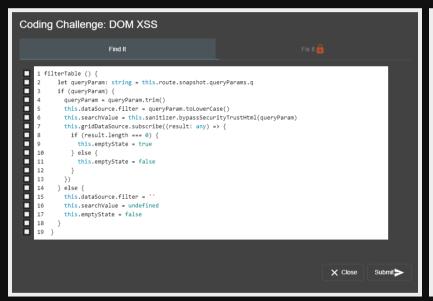
NEW

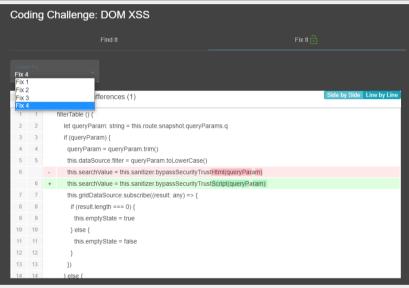
Features

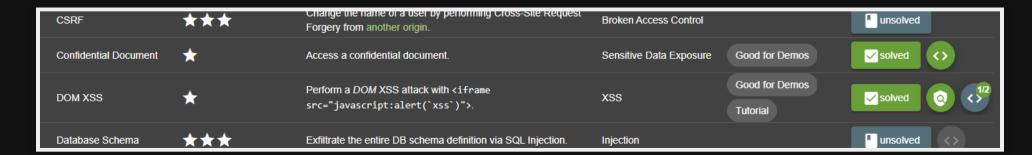
from 2020-2023

Coding Challenges

Find code flaw and select appropriate fix for several challenges







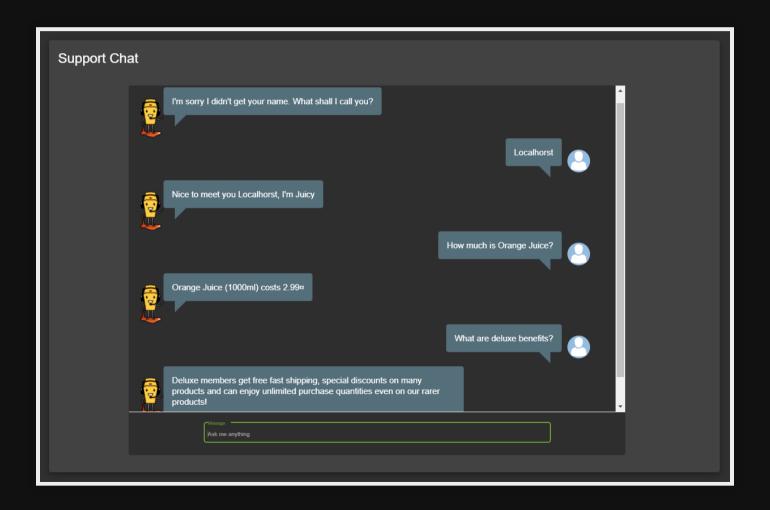
Cheat Detection

Solved challenges are rated based on cheating probability

```
FIX IC phase of coding challenge localysachallende (bow v22)
info: Restored 'Find It' phase of coding challenge scoreBoardChallenge (Score Board)
info: Restored 'Fix It' phase of coding challenge scoreBoardChallenge (Score Board)
info: Solved 'Find It' phase of coding challenge loginAdminChallenge (Login Admin)
info: Accuracy for 'Find It' phase of coding challenge loginAdminChallenge: 0.5
info: Cheat score for "Find it" phase of loginAdminChallenge solved in 1min (expected ~2min): 0.35365
info: Solved 'Fix It' phase of coding challenge loginAdminChallenge (Login Admin)
info: Accuracy for 'Fix It' phase of coding challenge loginAdminChallenge: 1
info: Cheat score for "Fix it" phase of loginAdminChallenge solved in lmin (expected ~2min): 0.539975
info: Solved 3-star loginJimChallenge (Login Jim)
info: Cheat score for tutorial loginJimChallenge solved in 1min (expected ~3min) with hints allowed: 0.826166666666666666
info: Solved 'Find It' phase of coding challenge loginJimChallenge (Login Jim)
info: Cheat score for "Find it" phase of loginJimChallenge solved in lmin (expected ~2min): 0.68480833333333333
info: Solved 'Fix It' phase of coding challenge loginJimChallenge (Login Jim)
info: Accuracy for 'Fix It' phase of coding challenge loginJimChallenge: 0.1
info: Cheat score for "Fix it" phase of loginJimChallenge solved in Omin (expected ~2min): 0.84387499999999999
```

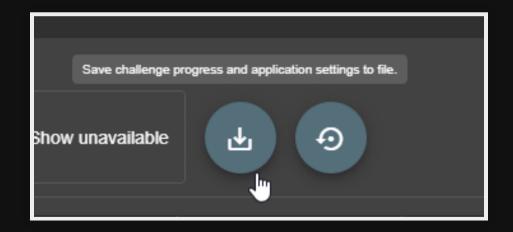
Support Chatbot

Blends NLP, Al and ML into a delicious Turing-Test-



Local Backup

Save and later restore your hacking progress as well as language, Score Board filters, banner dismissal to a JSON file



```
"version": 1,
"scoreBoard": {
    "displayedDifficulties": [ 1, 2 ],
    "displayedChallengeCategories": [
        "Broken Access Control",
        "Broken Anti Automation"
    ]
},
"banners": {
    "welcomeBannerStatus": "dismiss",
    "cookieConsentStatus": "dismiss"
},
"language": "de_DE",
"continueCode": "rzJa4Xpa...57LBN7Xv7o"
}
```



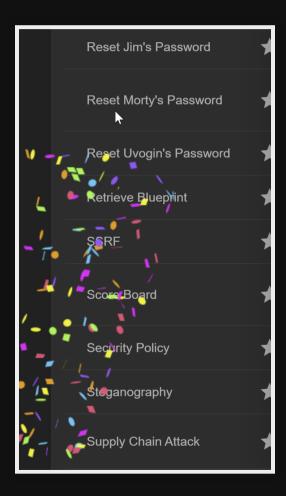


Confetti cannon 🞉



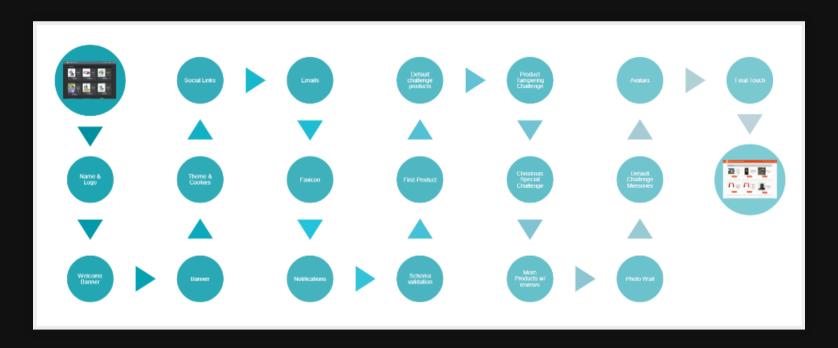


Whenever a challenge is solved, a confetti cannon fires



Official Tutorials

Presentations, snippets and step-by-step guides for advanced topics



- Customization Build a theme in 18 easy steps
- Integration Siphon juicy data in 5 different ways

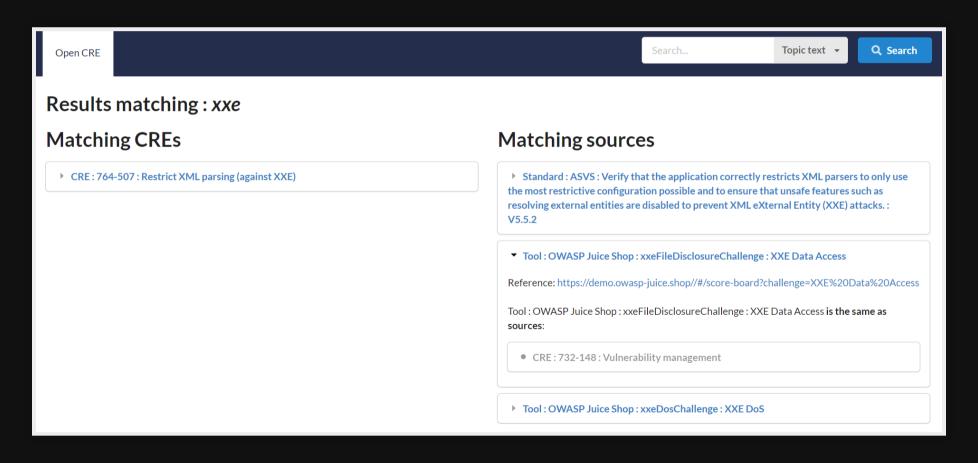
Solution Webhook

Sends a payload to a specified URL whenever a challenge is solved

```
"solution": {
    "challenge": "localXssChallenge",
    "cheatScore": 0,
    "totalCheatScore": 0.15,
    "issuedOn": "2020-12-15T18:24:33.027Z"
},
    "ctfFlag": "b0d70dce...b85fac6785dba2349b",
    "issuer": {
        "hostName": "fv-az116-673",
        "os": "Linux (5.4.0-1031-azure)",
        "appName": "OWASP Juice Shop",
        "config": "default",
        "version": "12.3.0-SNAPSHOT"
}
```

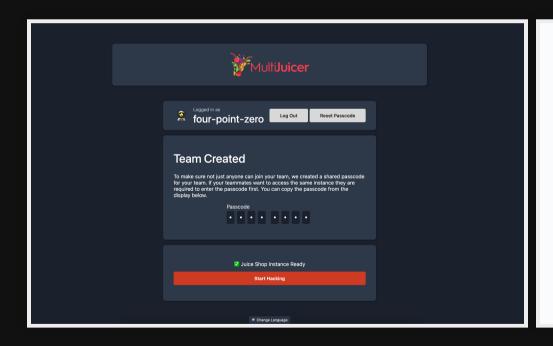
Deep links from OpenCRE

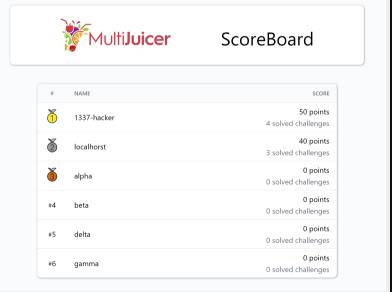
OpenCRE v2 will show direct links to Juice Shop hacking challenges as Tool: OWASP Juice Shop training resources



MultiJuicer Platform

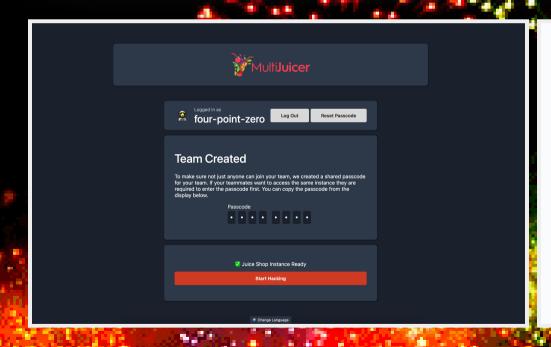
3rd party multi-user platform now comes with internal Score Board for team events and CTFs





MultiJuicer Platform

OUR OFFICIAL MULTI-USER PLATFORM now-comes with internal Score Board for team events and CTFs





18:15 left for...



Project Roadmap

Move Pwning OWASP Juice Shop eBook away from legacy gitbook (GSoC 2023 Project w/ Parth Nanda)

Add Web3 specific hacking and coding challenges (GSoC 2023 Project w/ Rishabh Keshan)

Rennovate the Score Board for best possible user experience (Ongoing re-design contract)

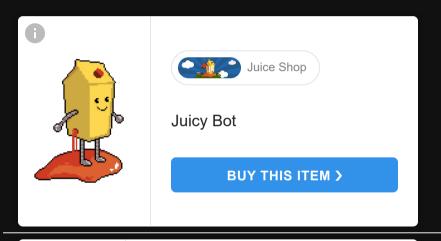
Enhance precision of cheat detection with new data sources and algorithms

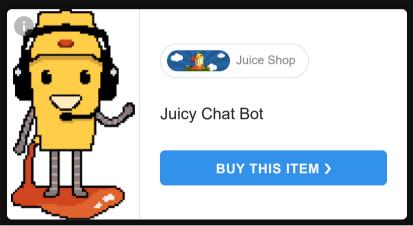
Bring overall test coverage back over 90%+

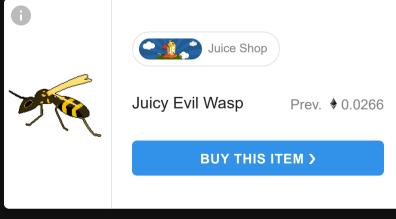
Sell NFT collection ⇒ BiG \$U¢\\$\$

Official NFT collection

You thought we were joking, weren't you?



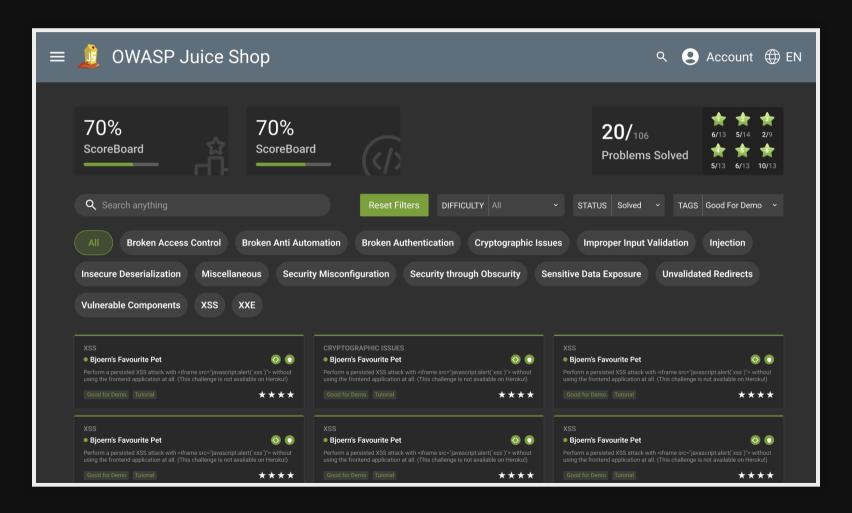




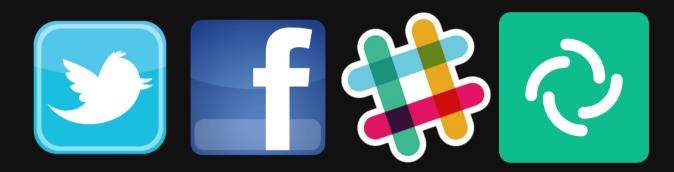


Score Board UI/UX re-design

Contracted designer working in close feedback loop w/ Core Team



Thank you for your unwavering interest in the project!



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